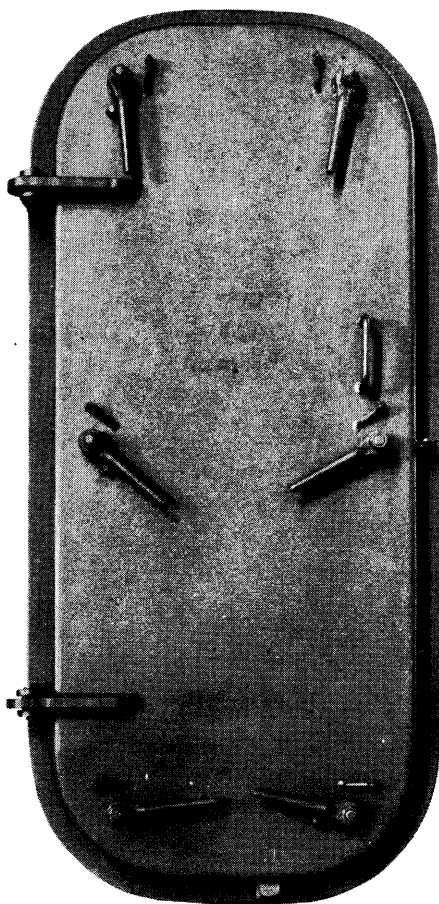




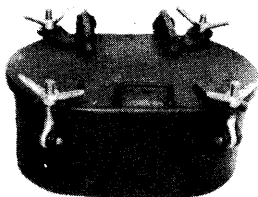
**W.J. KEATING LIMITED**

## **DOORS, HATCHES, MANHOLES**

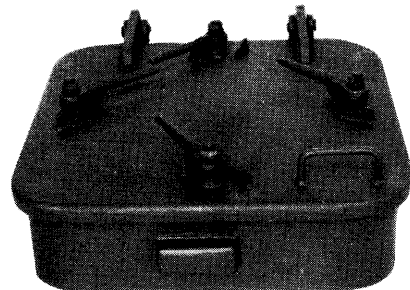
- Fabricated Steel, Aluminum or Stainless Steel
- Commercial, A.B.S., Custom



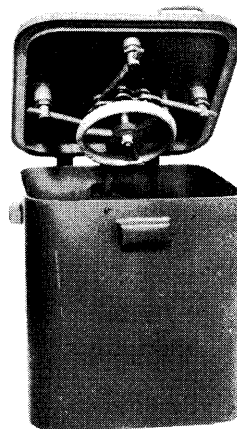
**K-3102 - 6 DOG WATERTIGHT DOOR**



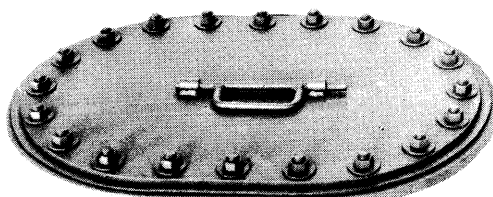
**K-3208 - OVAL DROP BOLT HATCH**



**K-3201 - WATERTIGHT HATCH**



**K-3202 - QUICK ACTING HATCH**

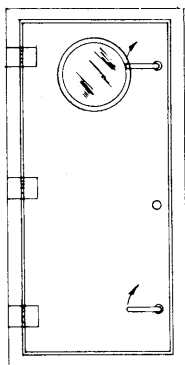


**K-3300 - BOLTED PLATE MANHOLE**

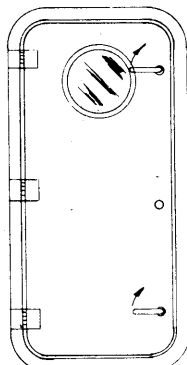


**W.J. KEATING LIMITED**

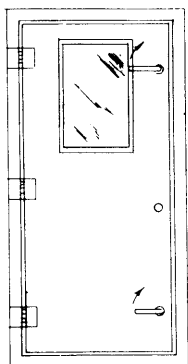
## **WEATHERTIGHT DOORS**



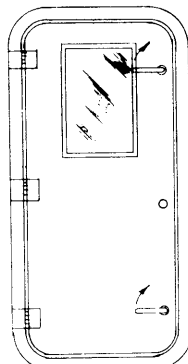
**K-3203**



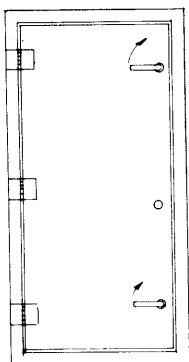
**K-3204**



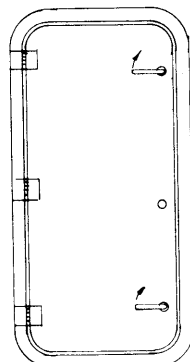
**K-3205**



**K-3206**



**K-3201**



**K-3202**



### **K-20000 - WEATHERTIGHT INSULATED DOORS**

- Fabricated in Stainless Steel, Aluminum and Steel
- 2 Dog - Positive Locking - Adjustable
- Neoprene Gasket
- Hardware Stainless Steel
- Also available without Weathering Dogs.



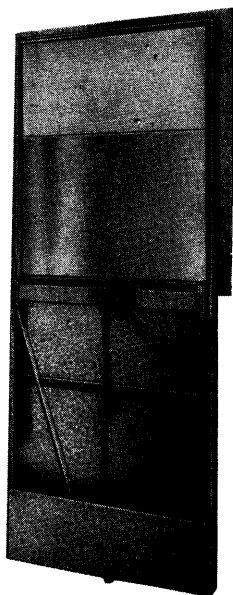
## WINDOWS



### K-3325-FIXED WINDOW

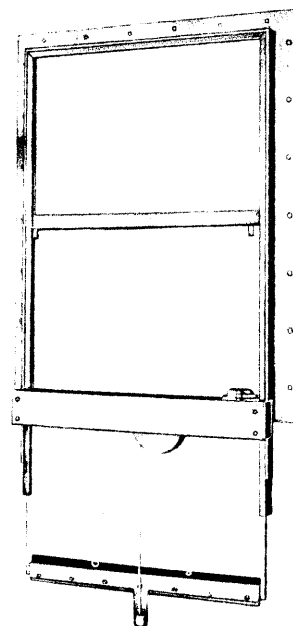
The type K-325-F matches in appearance the K-322-C and K-325 and is used in conjunction with them or as a separate unit. Made of extruded bronze, aluminum, or stainless steel. Windows can be made to suit curved bulkhead, with square or round corners. Windows may be bevelled to suit sheer or camber.

- Watertight
- Flanged Frame
- Glass - 1/4" Heat Treated to 1" Thermopane
- Available to suit custom shapes



### K-3325 WINDOW CRANK OPERATED VERTICALLY SLIDING

- Aluminum, Bronze or Stainless Steel
- Weathertight
- Flanged Frame
- Stainless Steel Drain Pan

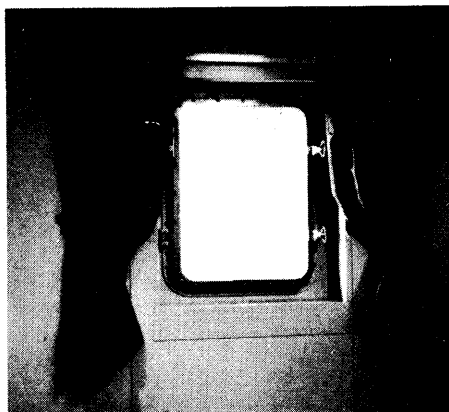


### K-3322 WINDOW Counter Balanced Vertically Sliding

- Aluminum, Bronze or Stainless Steel
- Weathertight
- Flanged Frame
- Stainless Steel Drain Pan



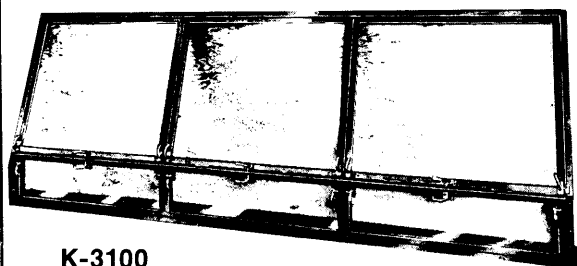
## WINDOWS



**K-3110-SIDE HINGED**

Type K-1100 side hinge window designed for installation in Deckhouse, Bridge Fronts and other locations where a heavy-duty watertight window is required.

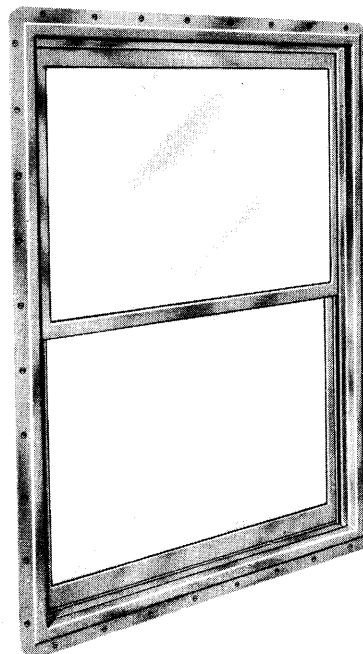
- Side or Top Hinge
- Watertight
- Adjustable Hinges
- Screw Type Weathering Dogs
- Standard Size 18" x 24" Clear Opening
- Matching Fixed K-1100F Available
- Bolt-on or Weld-in Main Frame Available
- Aluminum, Bronze or Stainless Steel



**K-3100  
REFLECTION PROOF  
WHEELHOUSE FRONT  
WINDOW**



- Available in Single-Double-Triple Panels Fixed or Hinged
- Weathertight
- Frames - Aluminum, Steel, Bronze or Stainless Steel



**K-3015 WINDOW**

- Top Sash Sliding Down Bottom Sash Fixed
- Weathertight
- Flanged Frame
- Aluminum, Bronze or Stainless Steel



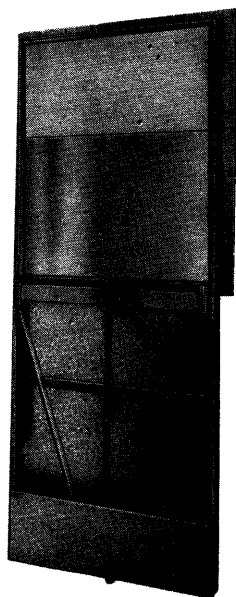
## WINDOWS



### K-3325-FIXED WINDOW

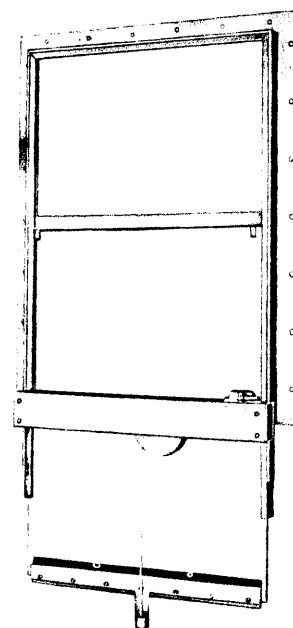
The type K-325-F matches in appearance the K-322-C and K-325 and is used in conjunction with them or as a separate unit. Made of extruded bronze, aluminum, or stainless steel. Windows can be made to suit curved bulk-head, with square or round corners. Windows may be bevelled to suit sheer or camber.

- Watertight
- Flanged Frame
- Glass - 1/4" Heat Treated to 1" Thermopane
- Available to suit custom shapes



### K-3325 WINDOW CRANK OPERATED VERTICALLY SLIDING

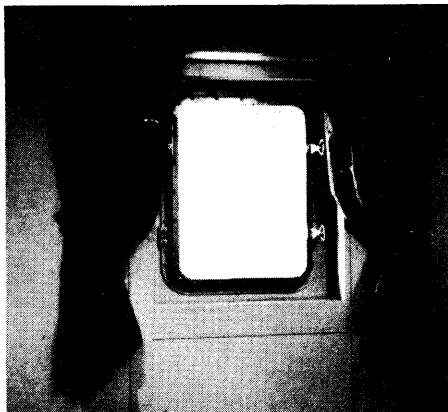
- Aluminum, Bronze or Stainless Steel
- Weathertight
- Flanged Frame
- Stainless Steel Drain Pan



- ### K-3322 WINDOW
- Counter Balanced Vertically Sliding
- Aluminum, Bronze or Stainless Steel
  - Weathertight
  - Flanged Frame
  - Stainless Steel Drain Pan

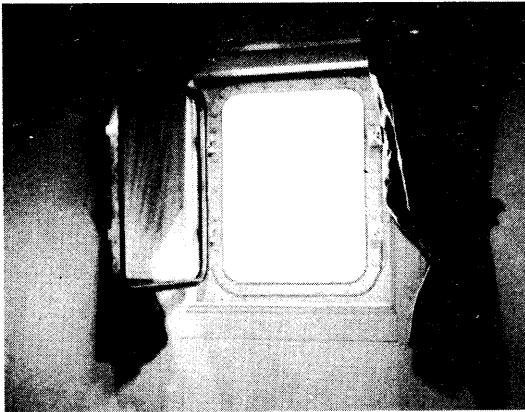


## WINDOWS

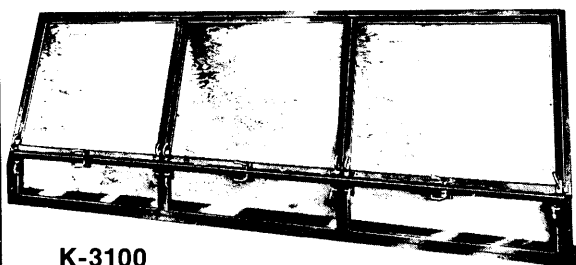


**K-3110-SIDE HINGED**

Type K-1100 side hinge window designed for installation in Deckhouse, Bridge Fronts and other locations where a heavy-duty watertight window is required.



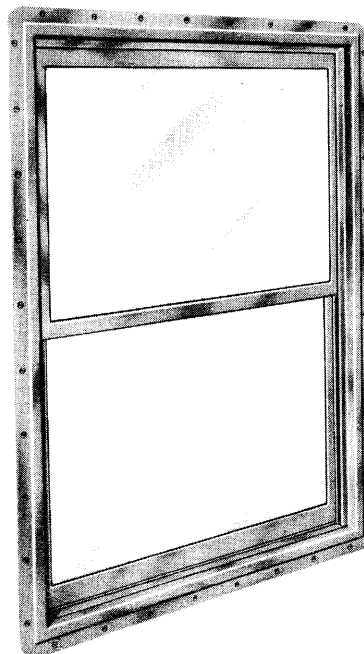
- Side or Top Hinge
- Watertight
- Adjustable Hinges
- Screw Type Weathering Dogs
- Standard Size 18" x 24" Clear Opening
- Matching Fixed K-1100F Available
- Bolt-on or Weld-in Main Frame Available
- Aluminum, Bronze or Stainless Steel



**K-3100  
REFLECTION PROOF  
WHEELHOUSE FRONT  
WINDOW**



- Available in Single-Double-Triple Panels Fixed or Hinged
- Weathertight
- Frames - Aluminum, Steel, Bronze or Stainless Steel



**K-3015 WINDOW**

- Top Sash Sliding Down Bottom Sash Fixed
- Weathertight
- Flanged Frame
- Aluminum, Bronze or Stainless Steel



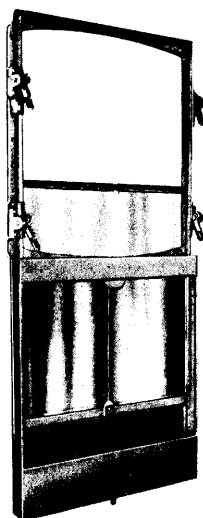
## WINDOWS

### DEADLIGHT COVERS

all windows can be supplied with either outboard or inboard deadlight covers.

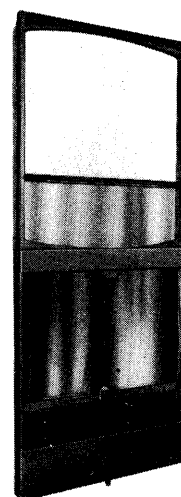
#### Types Available:

Hinged  
Vertically Sliding  
Horizontally Sliding  
Non-tight  
Watertight



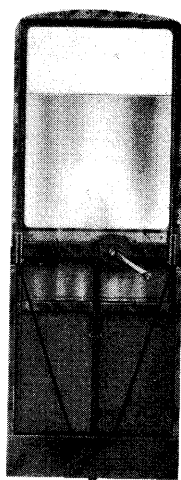
#### K-3522 WINDOW

- Spring Balanced
- Watertight (Four Dogs)
- Spigoted Frame
- Stainless Steel Drain Pan



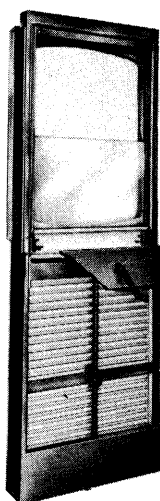
#### K-3222 WINDOW

- Spring Balanced
- Weathertight
- Spigoted Frame
- Stainless Steel Drain Pan



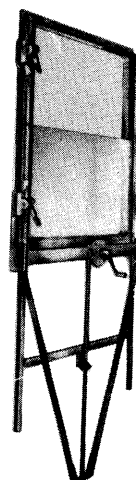
#### K-3225 WINDOW

- Crank Operated
- Weathertight
- Spigoted Frame
- Stainless Steel Drain Pan



#### K-3225 WINDOW WITH COVER

- Crank Operated
- Weathertight
- Spigoted Frame
- Stainless Steel Drain Pan
- Sliding Steel Cover



#### K-3525 WINDOW

- Crank Operated
- Watertight (Four Dogs)
- Spigoted Frame
- Stainless Steel Pan

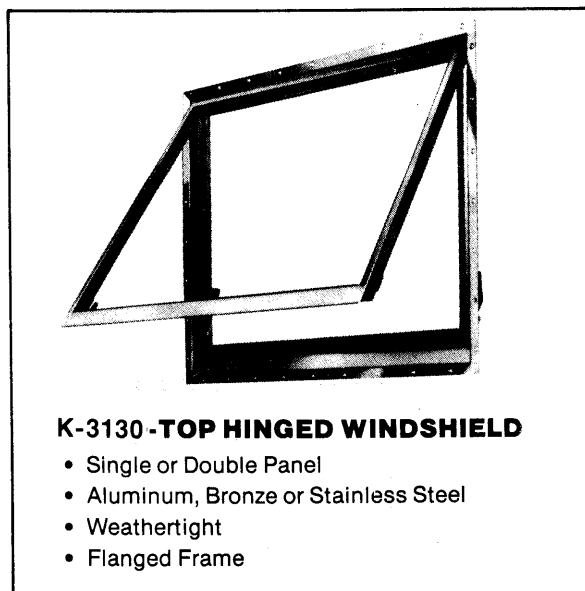
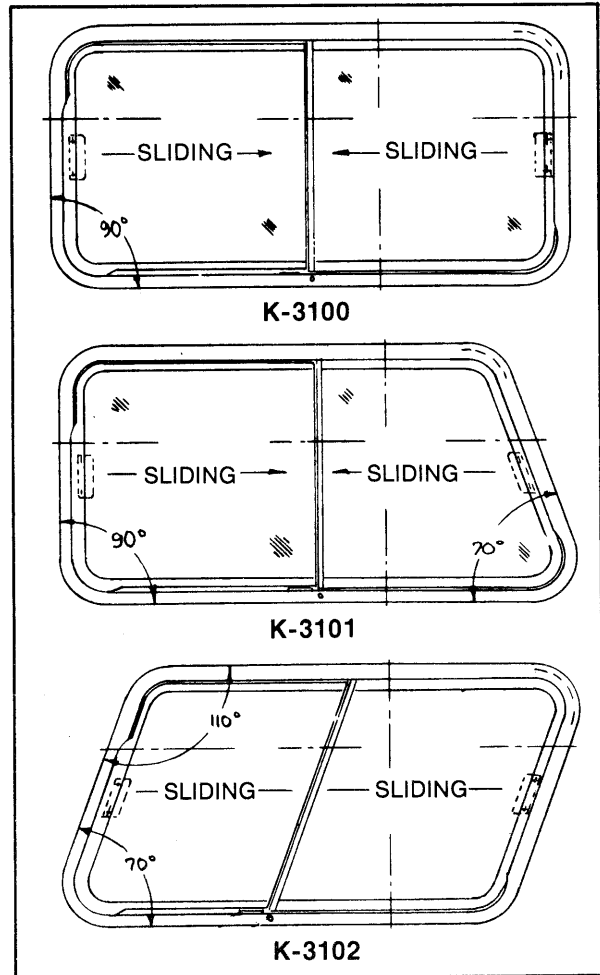


## WINDOWS



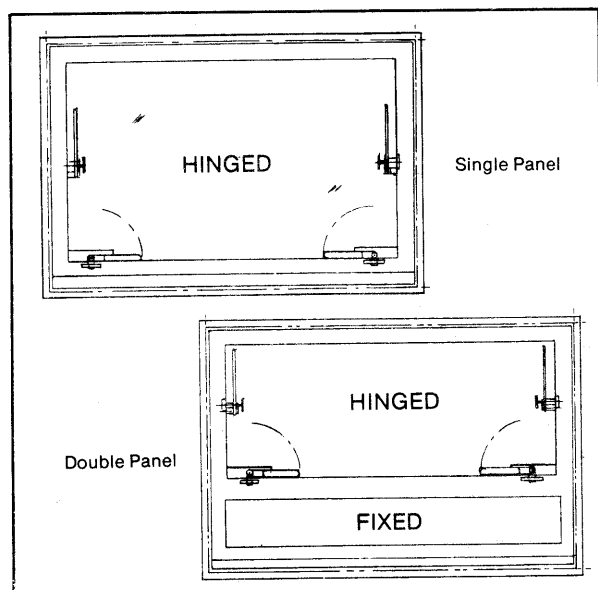
### K-3100, K-3101, K-3102 WINDOWS HORIZONTALLY SLIDING

- Aluminum - Standard Design
- Custom Fabricated in Bronze or Stainless Steel
- Weathertight
- Single or Double Sliding
- Flange Frame
- Custom Shapes Available



### K-3130 - TOP HINGED WINDSHIELD

- Single or Double Panel
- Aluminum, Bronze or Stainless Steel
- Weathertight
- Flanged Frame







## WINDOW DEFOGGING & DEFROSTING

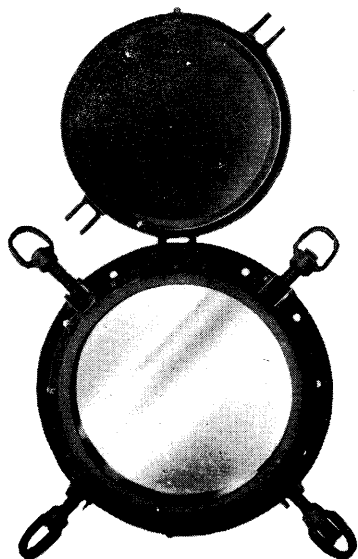
### K-3040

#### DEICING AND DEFOGGING ELECTRICALLY HEATED WINDOW

Installed on new commercial, Navy, Coast Guard vessels, as well as ships undergoing conversion. Kearfott Heated Windows are used year round under wide range of climate, weather and temperature conditions. The windows are completely assembled and ready for installation.

Electrical energy is supplied to conducting film through bus bars located at opposite edges of glass. Sufficient thermal energy is provided to maintain ice-free, frost-free, fog-free window. Heating is controlled by specially designed sensor controller that monitors the window temperature.

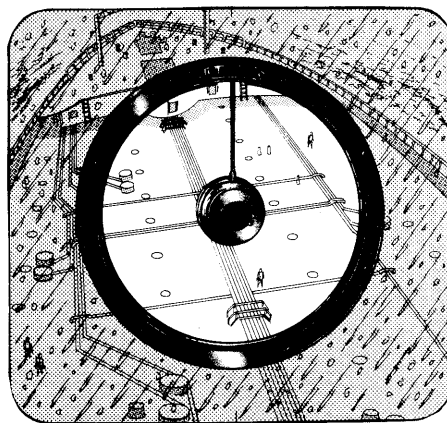
Voltage - 115 - 220 - 440 AC  
Wattage - 75 to 350 Watts/sq. ft.  
Mil. Spec. MIL-W-18445



K-3041

#### HINGED AND FIXED PORTS

- Bolt-on or Weld-in
- Sizes: 6" to 24"
- Covers and Insect Screens Available



#### K-3042 CLEAR VIEW SCREEN

- 12" or 14" Dia.
- Double Glazed
- Built-in Heater
- Solid Bronze Construction
- For Mounting in Glass Panel 3/8" Min. to 3/4" Max.



# W.J. KEATING LIMITED

## WINDOW WIPERS

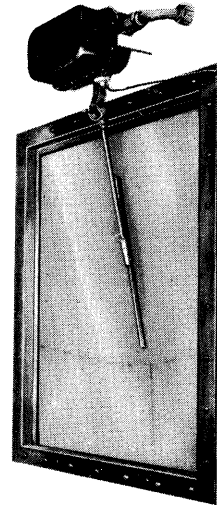
Kearfott PENDULUM Window and Airport Wiper is designed with the sole aim of producing a rugged and simple device to resist the severe conditions inherent in marine operations. All parts are made to withstand corrosion. Mounting arrangements are flexible. The motor housing can be located outboard to the window or airport on any side or can be placed inside the bulkhead with the drive shaft extending through a packing gland.

The unit is powered by a 1/25 h.p. 115 volt AC/DC motor. Also available are 12, 24, and 32 volt DC motors. For operation on 220 volts a fixed resistance unit in enclosure is supplied.

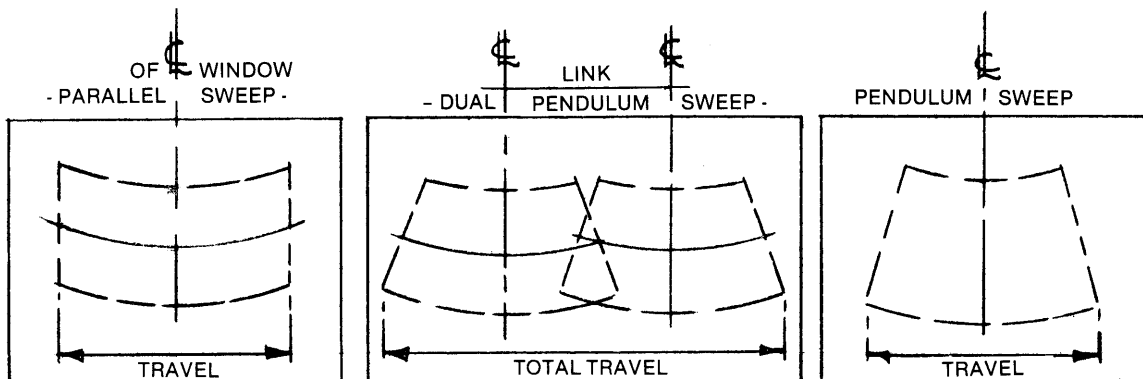
The standard accessories include a combination rheostat speed control and "off" switch in a totally-enclosed case. Maximum arm length 20". Rubber blade length available from 8" to 20".

Various wiper arm arrangements can be furnished including single, dual arms and parallel blade motion.

For operation under severe icing conditions, heated arms on inside mounted wipers and pivot heaters on outside mounted wipers are available.



K-3039



### GENERAL ORDERING DATA

**FRAMES** - Aluminum - Bronze - Stainless Steel

**SIZE** — Dimensions of cut in ships bulkhead

**SHAPE** - Rectangular, Parallelogram, or Special Shape Curved or Flat Bulkhead, Camber or Sheer

**GLASS** - Tempered, Laminated, Deicing Glass, Wire Glass, Lexan, Multiplated Armor Glass or Thermopane

**GLASS COLOR** - Clear - Tinted (Solar Bronze - Solar Gray)

**GLASS THICKNESS** - 1/4" - 3/8" - 1/2" - 3/4" or Thermopane - 3/4" or 1"



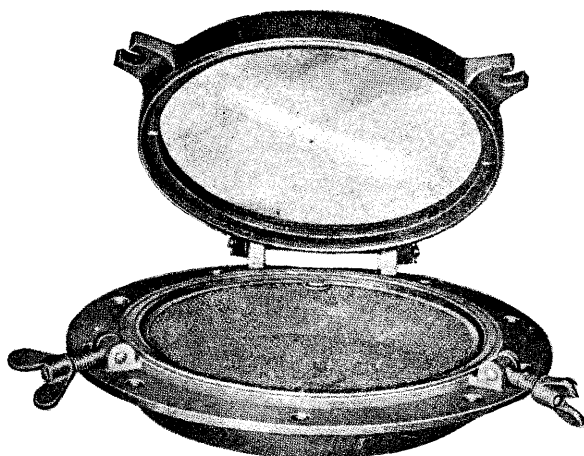
**W.J. KEATING LIMITED**

## WINDOWS AND PORTLIGHTS

FULL-VIEW INSIDE TYPE PORT LIGHT — HEAVY TYPE

**K-3044**

Cast Bronze or Aluminum  
Plain, Polished or Chrome



Dia. Opening	Dia. Clear Glass	Thickness Glass	Dia. Flange	No. Dog Bolts
4"	4"	3/8"	6-1/2"	1
5"	5"	3/8"	8"	1
6"	6"	3/8"	9"	2
7"	7"	1/2"	10"	1
8"	8"	1/2"	11-1/2"	2
9"	9"	1/2"	13"	2
10"	10"	1/2"	14-1/4"	2

1. 3 or 4 dogs.
2. Hinged or fixed light.
3. With or without deadlight cover.
4. Steel or brass frame.
5. Staggered bolting for wood hull.

### PLAIN CAST BRONZE OR ALUMINUM

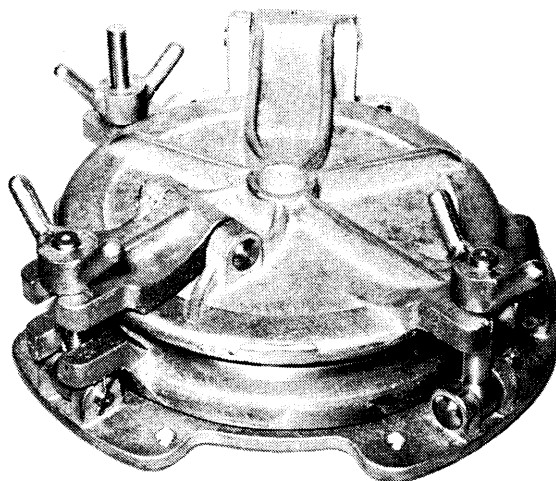


**K-3043**

**OUTSIDE TYPE FIXED LIGHT**

Cast Bronze or Aluminum  
Plain or Chrome

Dia. Clear Glass	Dia. Flanged	Glass Thickness
4"	6 5/8"	3/8"
5"	7 5/8"	3/8"
6"	8 3/4"	3/8"
7"	9 3/4"	3/8"
8"	11 1/4"	1/2"
9"	12 1/4"	1/2"
10"	13 1/8"	1/2"



**NAVAL PATTERN  
HEAVY DUTY PORTLIGHT**

Naval brass or aluminum

Inside fixed lights available in  
sizes 6, 7, 8, and 10 inch diameter.



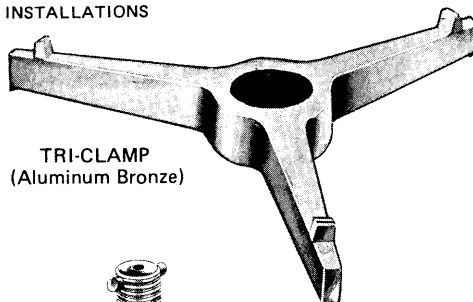
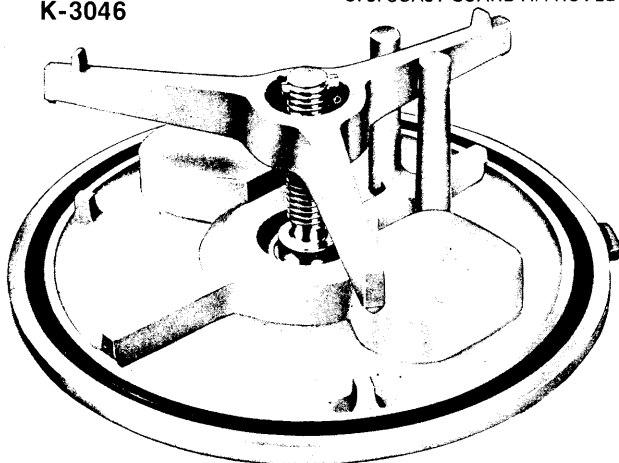
**W.J. KEATING LIMITED**

## DECK COVERS

### Safe, single action BRONZE Deck Cover for tank-cleaning openings

U. S. COAST GUARD APPROVED PER INSTALLATIONS

K-3046



TRI-CLAMP  
(Aluminum Bronze)



CLAMP SCREW  
(Manganese Bronze)

WEIGHT: 31 lbs.

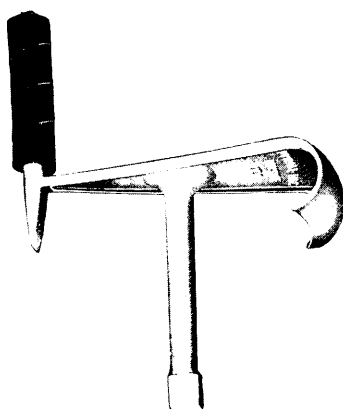
- RAPID-SINGLE ACTION TO OPEN OR CLOSE WITH SPEED WRENCH.
- FLAT, WITH NO PROJECTIONS, PROVIDING MAXIMUM SAFETY.
- INSTALLED IN SECONDS.
- REPLACEABLE O-RING SEAL.

- ELIMINATES COSTLY REPLACEMENTS OF STUDS, NUTS AND WASHERS.
- THIS STRONG, RIGID ASSEMBLY MEETS REQUIREMENTS OF AMERICAN BUREAU OF SHIPPING AND LLOYDS REGISTER OF SHIPPING.

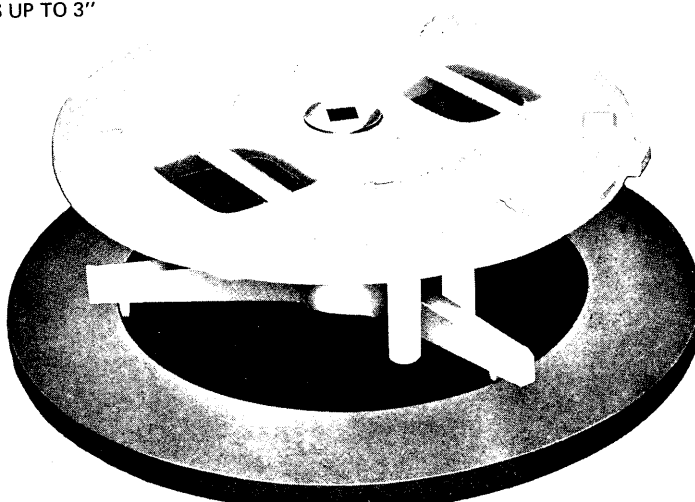
#### SUITABLE FOR NEW CONSTRUCTION AND CONVERSION

FITS STANDARD 12½" DECK OPENING  
WITH ANY DECK THICKNESS UP TO 3"

MATERIAL – NON-SPARKING BRONZE



BRONZE DECK COVER  
SPEED WRENCH  
G-1904-A



WHEN VENTILATING TANK, COVER REMAINS  
STABLE OVER OPENING AS SHOWN

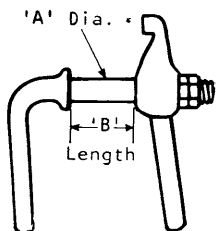


**W.J. KEATING LIMITED**

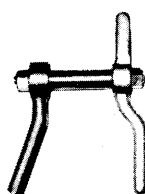
## WATERTIGHT DOOR ACCESSORIES

Manganese Bronze  
and Aluminum

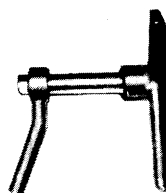
Specify Type Below: Right Hand, Left Hand or Neutral.  
Shaft Diameter 'A', Shaft Length 'B'.



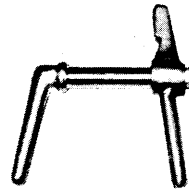
**K-3063**  
Left, Right  
or Neutral



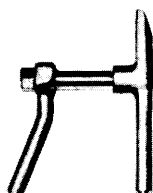
**K-3065**  
Neutral only.



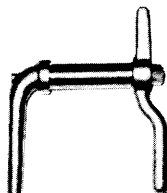
**K-3064**  
Left, Right  
or Neutral



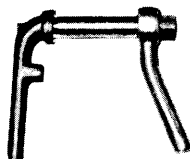
**K-3066**  
Left, Right  
or Neutral



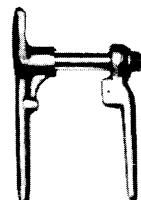
**K-3067**  
Neutral only.



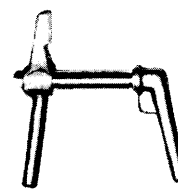
**K-3068**  
Neutral only



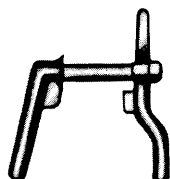
**K-3069**  
Neutral only



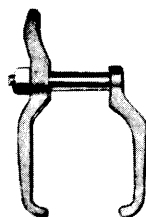
**K-3070**  
Left or Right



**K-3072**  
Left, Right  
or Neutral



**K-3071**  
Neutral only.



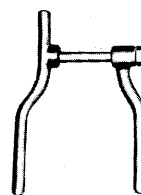
**K-3073**  
Neutral only



**K-3074**  
Left, Right  
or Neutral



**K-3075**  
Neutral

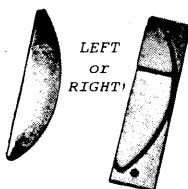


**K-3076**  
Neutral



**WTD-3401-B WTD-3402-B**

Specify I.D., O.D.  
and length.



**K-3077**



**K-3078**



**K-3079**



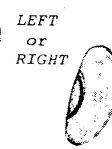
**K-3080**



**K-3081**



**K-3082**

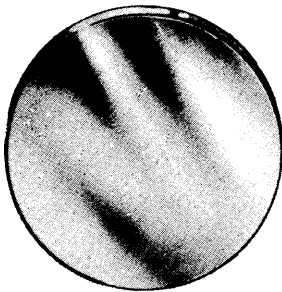


**K-3083**



**W.J. KEATING LIMITED**

## PORTLIGHT ACCESSORIES

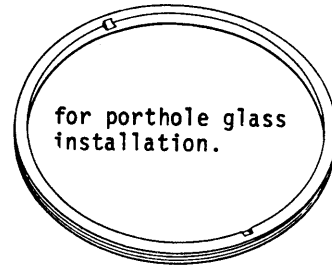


**PORTLIGHT GLASSES**  
(in all sizes)

**K-3047**



**RETAINING RING WRENCH**  
**K-3048**



**BRONZE RETAINING RINGS**

To fit standard portlights.

10"-12"-14"-15"-16"-18"

**K-3049**

PORTHOLE GASKETS ALSO AVAILABLE

---

### MISC. BRONZE, BRASS AND STAINLESS STEEL NUTS

**CAP NUTS**



**K-3050**

**HEX NUTS**



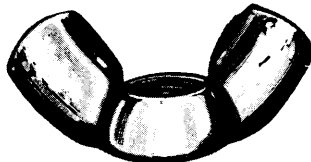
**K-3051**

**WASHER FACE HEX NUTS**



**K-3052**

**BUTTERFLY NUTS**



**K-3053**

**WING NUTS**



**K-3054**

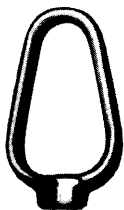
**SWING NUTS (Bar Nuts)**



**K-3055**

---

### MANGANESE BRONZE & ALUMINUM RINGNUTS



**K-3056**



**K-3057**



**K-3058**



**K-3059**



**K-3060**



**K-3061**



**K-3062**



**W.J. KEATING LIMITED**

735 AVOCA AVENUE, DORVAL, QUE., CANADA, H9P 1G4 TEL. 514-631-9815 TELEX 05-822633

# **WE CAN SUPPLY REPLACEMENT PARTS FOR ALMOST ANY TYPE OF CLOSURE**

**WE HAVE IN STOCK OR CAN MANUFACTURE**

PACKING PLUNGERS, DOGS, DOG RESTS, SPINDLES  
HANDWHEELS, BUSHINGS, WASHERS, SPRINGS, GEARS  
WORMS, HANDLES, TOGGLE BOLTS, WING NUTS, PINS,  
DEADLIGHTS, SCREENS, REPLACEMENT GLASS

FOR

HATCHES, SCUTTLES, DOORS, PORTLIGHTS

IN

STAINLESS STEEL, NAVAL BRASS, MANGANESE,  
BRONZE, SILICON BRONZE, STEEL

TO

BUSHIP, CURATOR, HEINTZ

SEND US  
MANUFACTURERS' DRAWING NO. AND PART NO.

OR

DRAWING OF PART

OR

THE WORN PART ITSELF

AND

**WE CAN REPLACE IT**